## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.  | DATE    |  |  |  |  |  |
|---------------------------|----------|---------|---------|--|--|--|--|--|
| FEE DETERMINATION         | DO       |         | 7-14-00 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | 130      | 32      | 7/60    |  |  |  |  |  |
| FORMALITY REVIEW          | 5        | 67369 " | 9/7/00  |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |         |         |  |  |  |  |  |
|                           | •        |         |         |  |  |  |  |  |

## INDEX OF CLAIMS

| `, | Rejected                   | - N | Non-elected |
|----|----------------------------|-----|-------------|
|    | Allowed                    | - 1 |             |
|    | (Through numeral) Canceled | Α   | Appeal      |
|    | Restricted                 | . 0 | Objected    |

|  |                    |  |  |                 |                         | _        |           |          |          |          |                    |                |              |          |  |               | ר         | Γ <u>α</u> . |          |    |          |               | _         | ate      |          |          |           | _        |
|--|--------------------|--|--|-----------------|-------------------------|----------|-----------|----------|----------|----------|--------------------|----------------|--------------|----------|--|---------------|-----------|--------------|----------|----|----------|---------------|-----------|----------|----------|----------|-----------|----------|
| Clair  | 7                  | Λ D  | ate  |                 |                         | 4        | Cla       | im       | _        | ·        | т                  | Dat            | e<br>- 1     | -        |  | -             | -         | CI           | aim      |    | -        | $\overline{}$ | ٦         | ale.     | т-       | Τ.       |           | -        |
| Final  | 3/24/0/10/2        | dat  |  |                 |                         |          | Final     | Original | 1        |          |                    |                |              |          |  |               |           | Final        | Original |    |          |               | 1         |          |          |          |           | ŀ        |
| i <u>i</u>   |                    | 1  |  | +               | -                       | 4        | 1         | 51       | +        | ┿        | ├                  | $\vdash$       | $\dashv$     | +        | ┥  | +             | ┪         | ۳            | 101      | _  | +        | +             | $\dagger$ | +        | +        | †-       | П         | Г        |
|  |                    | 1  |  | ,               | 1-                      | 4        | -         | 52       | +        | +-       | ╁                  | $\vdash$       | $\dashv$     | -+       | -  | ╅             | ┪         | $\vdash$     | 102      | 7  | 寸        | +             | +         | +        | $\top$   | 1-       |           |          |
| 3  |                    | +  | +  | +-              | <del>-  -</del>         | ┨        | 1         | 53       | +        | +        | $\vdash$           | $\vdash$       | -            | $\dashv$ |  | ┪.            | 1         | $\vdash$     | 103      | 寸  | 寸        | 1             | $\top$    | 1        | 1        |          | Г         | Г        |
|  | <del>-111  -</del> | <del>1</del> +                                   |  | +               | ╁╌┼╴                    | ┨        | H         | 54       | +        | ╁        | ╁                  | Н              |              | -†       | $\dashv$   | 7             | ╡.        | 1            | 104      |    | 1        |               |           |          |          | 1        |           | L        |
| 46 47899   | 5 =                | 7  | -+-  | +               | <del>   -</del>         | -        | Н         | 55       | _        | +        | t                  | Н              |              |          | ┪  | 7             | 7′        |              | 105      |    |          |               | $\perp$   | $\perp$  |          | L        |           |          |
| 1  |                    | <del>`</del>                                     | +  |                 | H                       | 1        |           | 56       | +        | $\top$   | T                  | П              |              |          |  | 1             | ٦         |              | 106      |    |          |               |           | $\perp$  | $\perp$  |          |           | L        |
| 13   |                    | 1  | +  | $\top$          | 1 1                     | 1        |           | 57       | 7        | T        | Т                  |                |              |          |  |               |           |              | 107      |    |          | 1             |           | _        | 1        | $\bot$   | 上         | 1        |
| 10   | 8 1 = =            | +  | $\top$   |                 | $\sqcap$                | 7        |           | 58       | T        | I        | Γ                  |                |              |          |  |               | _         | L            | 108      | Ш  | $\dashv$ | _             | 4         | 4        | 4        | 4        | 1         | Ļ        |
| 9  | 9 1 = 1=           | 4 1  | $\Box$   | $\top$          |                         |          |           | 59       | $\Box$   |          | $\perp$            | 1_             | 1            |          |  | $\perp$       | _         | L            | 109      |    | _        | 4             | +         | 4        | +        | +        | ╀         | ╀        |
| 10   | 10 1 = =           | 1  | $\neg \neg$                                      |                 | $\prod$                 | ]        |           | 60       |          | 1        | L                  |                |              | L        |  | _             | 4         | L            | 110      | Н  |          | -             | +         | -        | +        | -        | +-        | ╀        |
| 1  | 11 1 7 =           |  |  |                 | $\Box$                  |          | L         | 61       | _        |          | ↓_                 | Z              |              |          | $\Box$   | -             | 4         | $\vdash$     | 111      | -1 |          | -+            |           | -        | +        | +-       | ╀         | ╁        |
| 2  | 12 / = 2           | 7  |  |                 |                         | _        | $\vdash$  | 62       | _        | 4        | 1                  | 1              | _            |          | Ш  | $\rightarrow$ | 4         | +            | 112      |    | -        | +             | +         | +        | +        | +        | ╀         | ╁        |
| B  | -                  | 빜ᆜ   |  | _ _             | $\downarrow \downarrow$ | 4        | <u>_</u>  | 63       | -        | $\dashv$ | 4                  | ┼              | L            | ┞        | Н  | $\vdash$      | $\dashv$  | -            | 114      | -  | -        | -+            | +         | +        | +        | +        | +-        | +        |
| in   | 14 7 -             | =  | _  |                 | +                       | 4        | $\vdash$  | 64<br>65 | 4        | A        | ╁                  | +              | -            | } -      | H  | H             | $\dashv$  | $\vdash$     | 115      |    | $\vdash$ | -             | +         | +        | +        | +        | $\dagger$ | +        |
|  |                    | ᅴ  | 4  | +               | $\dashv$                | 4        | -         | 66       | 1        | -        | +                  | +              | $\vdash$     | $\vdash$ | -  | $\vdash$      | $\dashv$  | -            | 116      |    | H        | +             | 7         | _        | +        | 1        | †         | †        |
| 16   | 16 3 =             | 3+   |  |                 | ++                      | $\dashv$ | $\vdash$  | 67       |          | +        | +                  | +-             | -            | ├-       | $\vdash$   | H             | ┪         | <b>-</b>     | 117      |    | -        | ヿ             |           | _        | -        | $\top$   | 1         | T        |
| q  | 112                | #  |  |                 | ╁╁                      | ┥        | -         | 100      | +        | +        | +                  | ╁              | t            | $\vdash$ | ╁─   |               | ┪         |              | 118      |    |          |               | ヿ         | $\neg$   | 1        | $\top$   |           | T        |
| 7  | 18 1 = =           | 7  |  |                 | ╂╂                      | $\dashv$ | Н         | 69       | $\dashv$ | +        | +-                 | +-             | -            | +-       | H  | Н             | $\dashv$  |              | 111      |    |          | $\Box$        |           | 1        | 7        | T        | Т         | T        |
| [4]  | 19 = 20            | ╕┼   |  |                 | ++                      | ┥        | $\forall$ | 70       | $\dashv$ | +        | +-                 | 1              | ✝            | 1        | ✝  | 17            | ┪         | F            | 120      | 1  |          |               |           | 寸        | $\top$   | Т        | Т         | T        |
| 20   |                    | <del>-</del>                                     |  | $\vdash$        | ++                      | $\dashv$ | 1         | 71       | $\dashv$ | +        | +                  | +-             | ╁            | ╌        | ┼  | H             | $\dashv$  | H            | 12       | _  | $\vdash$ |               | _         | _        | +        | 7        | $\top$    | 1        |
| D.I  |                    | =  |  |                 | + +                     | -V       | -         | 72       |          | +        | +                  | +-             | +            | 1        | <del>                                     </del> |               | $\neg$    | ۲            | 12       |    |          |               |           |          |          | 7        | 1         | T        |
| 95   | 22 1 7 7           | 3  |  | $\vdash \vdash$ | + 1                     | 4        | $\vdash$  | 73       | -        | +        | +                  | +              | $^{\dagger}$ | 1-       | 1  | П             | 7         |              | 12       | 3  | Г        |               |           |          |          | Ţ.       |           | I        |
| MAN SECTION OF THE PARTY OF THE | 24                 | $\Xi$  | -  | $\vdash \vdash$ | 1/                      | $\dashv$ | $\vdash$  | 74       | $\neg$   | $\top$   | ナ                  | 1              | T            | T        | 1  | П             |           |              | 12       | 4  |          |               |           |          |          | $\perp$  | _         | 4        |
| 14   | 24                 | <del>]  </del>                                   | $\dashv$   | + +             | <del>/</del> †          | ┪        | r         | 75       | $\Box$   | _        | 7                  | T              | 1            |          |  |               |           |              | 12       |    |          | Ш             |           |          | _        | _        | _         | 4        |
| 13   | 26                 | =  | $\dashv$   |                 | 41                      | ٦        | $\vdash$  | 76       |          | $\top$   |                    | _              | Τ            |          |  |               |           | L            | 12       |    | <b> </b> | Ш             |           | Ш        | _        | 4        | 4         | 4        |
| 17   | 27                 | =  |  | 1               | 77                      | 7        | T         | 77       |          | $\Box$   | T                  | $ footnote{T}$ | 1            |          | L  |               |           | L            | 12       |    | 1        | Ш             |           | Ш        | 4        | _        | +         | 4        |
| 敌  | 28 1 =             | ₩ 1  |  |                 | 17                      |          |           | 78       |          |          | $oldsymbol{\perp}$ | I              | L            | L        | 1_   |               | _         | L            | 12       |    | ļ٠       |               | ļ         |          |          | -        |           | 4        |
| 94   | 28 =               | =  |  | $\sqcap$        |                         |          |           | 79       |          |          |                    | 1              | ┸            | 1_       | ┺  | <u> </u>      | $\Box$    | L            | 12       |    | ↓_       | -             | ļ         |          |          | +        | - -       | +        |
| 70   | 30 1 =             | =  | 1  | $\Box$          |                         |          |           | 80       |          | 1        | 1                  | $\perp$        | L            | 1        | ┺  | ┺             | $\dashv$  | 1            | 13       |    | -        | -             |           | Н        | $\dashv$ | +        |           | $\dashv$ |
| 3/   | 31   =             | =  |  |                 |                         |          |           | B1       |          | 1        | 4                  | $\perp$        | 4            | -        | -  | +             | Н         | -            | 13       |    | ╁╌       | -             | -         | Н        | -        | -+       | +         | ┥        |
| 12€  | 32 1 =             |  |  |                 |                         |          | L         | 82       |          | $\Box$   | 4                  | 1              | $\perp$      | 1        | 4  | 1             | $\exists$ | H            | 13       |    | -        | ╀             | -         | $\vdash$ |          | - 1      |           | $\dashv$ |
| -  | 1.                 |  | Ē.L  | $\sqcup$        | $\perp$                 | _        | -         | 83       |          | $\vdash$ | +                  | 4-             | +            | +-       | ╀  | ╀             | $\vdash$  | -            | 13       |    | +-       | ╁             | H         | ┪        | -        | -        | +         | ᅥ        |
|  | 34                 |  | Ш-   | $\sqcup$        | $\perp$                 | _        | -         | 84       | -        | $\vdash$ | +                  | +              | +            | +        | +-   | +-            | H         | -            | 113      |    | ╁╌       | ╁             | -         | -        |          | $\dashv$ | +         | ᅥ        |
|  | 35                 |  |  | $\sqcup$        | $\dashv$                | _        | -         | 85       | -        | -        | +                  | +              | +            | +        | +  |               | $\vdash$  | -            | 13       |    | ╁        | †-            | 1         | 1        | -        | _        | -+        | 7        |
|  | 36                 | _  | 1  | H               | +                       | $\dashv$ | -         | 87       | 1        | $\vdash$ | +                  | +              | +            | +        | ÷  | +             | Н         | H            | 13       | _  | +        | †             | 1         | <u> </u> |          |          | -         | _        |
| <u> </u>   | 37                 |  | $\vdash$   | ++              | +                       | $\dashv$ | H         | 88       | ┢        | +        | -+                 | +              | +            | +-       | +-   | ╁             | Н         | ŀ            | 13       |    | +        | 1-            | t         |          |          | 7        | 1         | _        |
| $\vdash$   | 38                 | -  | $\vdash\vdash$                                   | ╂               | +                       | H        | H         | 89       |          | $\vdash$ | +                  | -              | +            | +        | ┰  | +             | H         | ı            | 13       | _  | 1        | T             | Г         | П        | $\Box$   |          | $\dashv$  | Т        |
| -  | 39                 |  | <del>-</del>                                     | ┼┼              | +-                      | $\dashv$ | H         | 90       | _        | H        | $\dashv$           | +              | +            | 十        | +  | 1             | Н         | t            | 14       |    | Τ        | Τ             | 1         | Т        |          | П        |           |          |
| <b>—</b>   | 40                 |  | <del>├                                    </del> | ++              |                         | H        | +         | 91       | -        | $\vdash$ | -†                 | +              | +            | +        | 十  | +             | H         | Ī            | 1        | 41 | $\top$   | 1             | Τ         | Т        |          |          | T         | _        |
| _  | 41                 | Н-   | $\vdash$   | ++              |                         | Н        | ┝         | 92       | 1        | $\vdash$ | +                  | +              | +            | +-       | ┿  | ╅             | Н         | ŀ            | <u> </u> | 12 | $\top$   | $\dagger$     | Τ         | 1        | П        | $\neg$   | 1         |          |
| <u> </u>   | 42                 | Н-   | ╌┼   | +               |                         | Н        | +         | 93       |          | ╁┤       | $\dashv$           | +              | $^{+}$       | +        | +  | +             | Н         | ŀ            | _        | 13 | 1        | 1             | T         | 1-       | М        |          | 7         | _        |
|  | 43                 |  | +  | ╅╌┼             | +                       | H        | H         | 9        | -        | ╁        | +                  | +              | +            | +        | +  | †             | $\vdash$  | Ì            | 1        | 44 | Τ        | T             | Π         |          | П        |          |           | _        |
| <u> </u>   | 44                 | ├-   | 1+   | +               | +-                      | H        | - 1       | 9:       |          | H        | $\dashv$           | +              | +            | +        | +  | +             | Н         | - 1          | 10       | 15 | Τ        | L             | I         |          |          |          |           | _        |
| <b>—</b>   | 45                 | ├-┼-   | -  | +               | +                       | H        | H         | 90       |          | +        | +                  | $\dashv$       | +            | +        | $\dagger$  | $\top$        | $\sqcap$  | - 1          |          | 16 | Ι        | $\Gamma$      |           | Γ        |          |          | $\Box$    | _        |
| $\vdash$   | 46                 | <del>                                     </del> | ++   | ++              |                         | Н        | H         | 97       |          | H        | ┪                  | 一.             | +            | +        | $\top$   | 1             | П         | - [          | h        | 47 | Τ        | Ι             | Γ         |          |          |          |           | _        |
| $\vdash$   | 48                 | <del>   </del>                                   | ++   | ++              | +                       | H        | ŀ         | 98       |          | H        | 寸                  | 1              | 4            | 1        | $\top$   | $\perp$       |           |              | 1        | 48 | I        |               | L         | $\perp$  |          | $\Box$   | $\Box$    | _        |
| -  | 49                 | +-   | +-+  | ++              |                         | H        | t         | 9        |          | $\top$   | 寸                  | J              |              |          | I  |               |           |              |          | 49 | 1        | 1             | 1         | 1        | 1_       | Ш        | _         | _        |
| - 1  | 50                 | <b>├</b>   |  |                 | _                       | 1-1      | H         | 10       | ユー       |          | $\neg$             |                | 7            | Т        | · T  | T             | $\Gamma$  | 1            | l h      | 50 | 1        | l l           | 1         | 1        | i        | ı ì      | i         |          |

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APPLICATION NO. 09/610489

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